

# Ying Tang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6832487/publications.pdf>

Version: 2024-02-01

20  
papers

3,120  
citations

758635

12  
h-index

752256

20  
g-index

22  
all docs

22  
docs citations

22  
times ranked

6605  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reversed graph embedding resolves complex single-cell trajectories. <i>Nature Methods</i> , 2017, 14, 979-982.	9.0	2,691
2	Chemotaxis as a navigation strategy to boost range expansion. <i>Nature</i> , 2019, 575, 658-663.	13.7	108
3	Ex vivo expansion of circulating lung tumor cells based on one-step microfluidics-based immunomagnetic isolation. <i>Analyst</i> , 2016, 141, 3621-3625.	1.7	34
4	Potential landscape of high dimensional nonlinear stochastic dynamics with large noise. <i>Scientific Reports</i> , 2017, 7, 15762.	1.6	34
5	Dynamical behaviors determined by the Lyapunov function in competitive Lotka-Volterra systems. <i>Physical Review E</i> , 2013, 87, 012708.	0.8	27
6	Summing over trajectories of stochastic dynamics with multiplicative noise. <i>Journal of Chemical Physics</i> , 2014, 141, 044125.	1.2	24
7	Decoding early myelopoiesis from dynamics of core endogenous network. <i>Science China Life Sciences</i> , 2017, 60, 627-646.	2.3	23
8	SDE decomposition and A-type stochastic interpretation in nonequilibrium processes. <i>Frontiers of Physics</i> , 2017, 12, 1.	2.4	18
9	Quantifying information accumulation encoded in the dynamics of biochemical signaling. <i>Nature Communications</i> , 2021, 12, 1272.	5.8	18
10	An incoherent feedforward loop interprets NF $\kappa$ B/RelA dynamics to determine TNF $\alpha$ -induced necroptosis decisions. <i>Molecular Systems Biology</i> , 2020, 16, e9677.	3.2	18
11	Optimizing higher-order network topology for synchronization of coupled phase oscillators. <i>Communications Physics</i> , 2022, 5, .	2.0	15
12	Nonequilibrium work relation beyond the Boltzmann-Gibbs distribution. <i>Physical Review E</i> , 2014, 89, 062112.	0.8	12
13	Work relations connecting nonequilibrium steady states without detailed balance. <i>Physical Review E</i> , 2015, 91, 042108.	0.8	12
14	Quantifying information of intracellular signaling: progress with machine learning. <i>Reports on Progress in Physics</i> , 2022, 85, 086602.	8.1	10
15	Anomalous free energy changes induced by topology. <i>Physical Review E</i> , 2015, 92, 062129.	0.8	7
16	Controlling symmetry-breaking states by a hidden quantity in multiplicative noise. <i>Physical Review E</i> , 2014, 90, 052121.	0.8	5
17	Generating transverse response explicitly from harmonic oscillators. <i>Physical Review B</i> , 2017, 96, .	1.1	4
18	Comment on "Construction of the landscape for multi-stable systems: Potential landscape, quasi-potential, A-type integral and beyond". <i>J. Chem. Phys.</i> 144, 094109 (2016)]. <i>Journal of Chemical Physics</i> , 2016, 145, 147104.	1.2	2

#	ARTICLE	IF	CITATIONS
19	Free energy amplification by magnetic flux for driven quantum systems. Communications Physics, 2021, 4, .	2.0	2
20	Escape rate for nonequilibrium processes dominated by strong non-detailed balance force. Journal of Chemical Physics, 2018, 148, 064102.	1.2	1